

Fig. 1

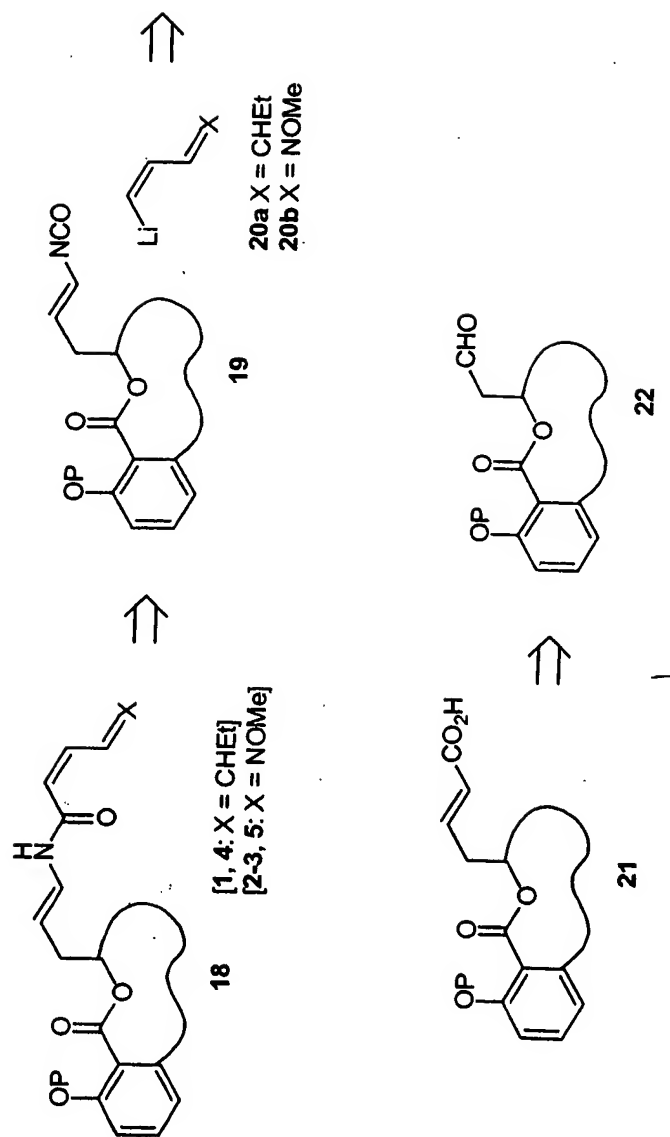


Fig. 2

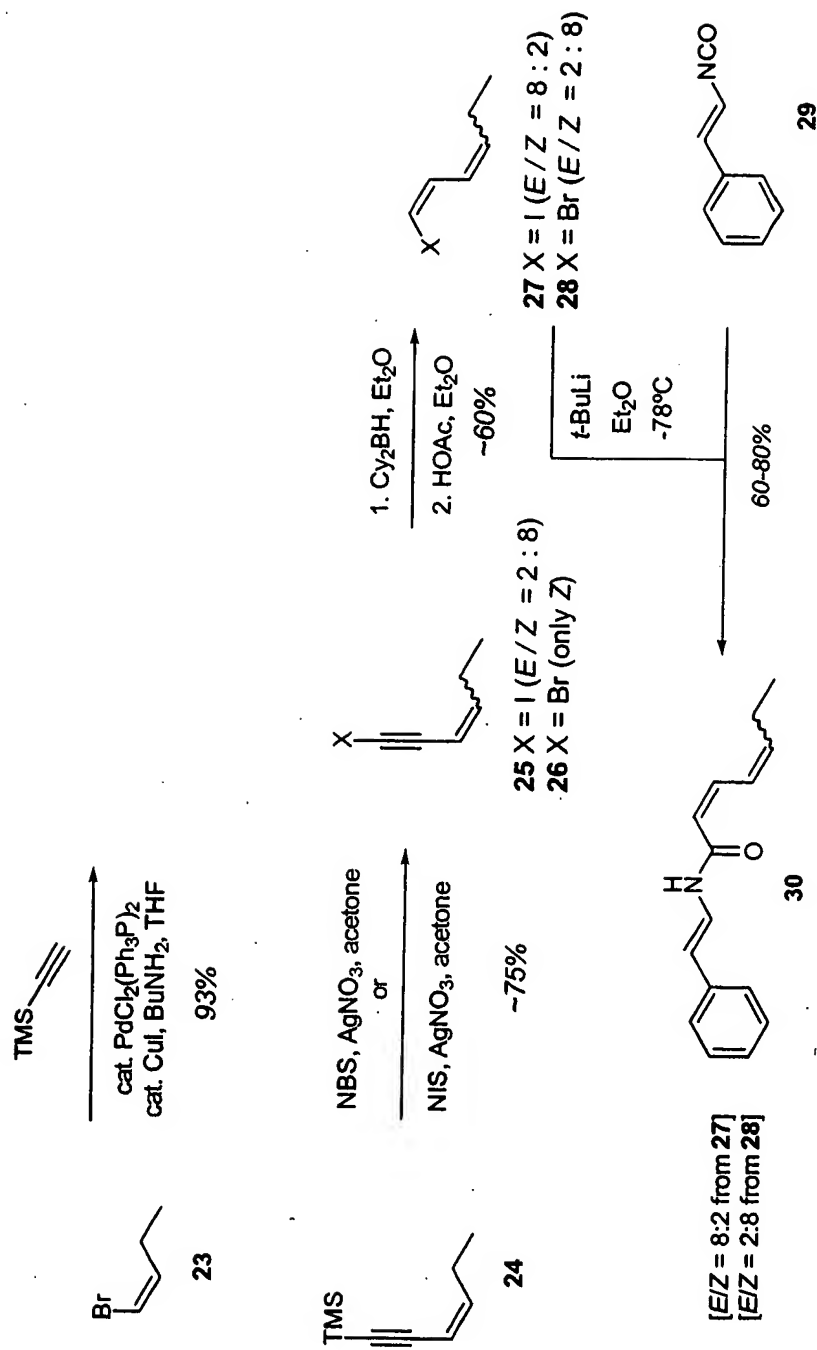


Fig. 3

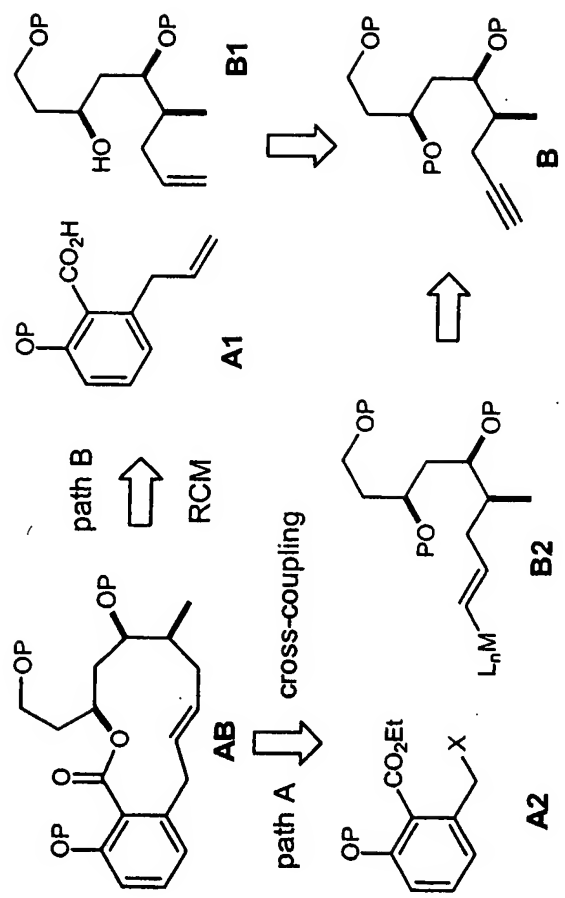


Fig. 4

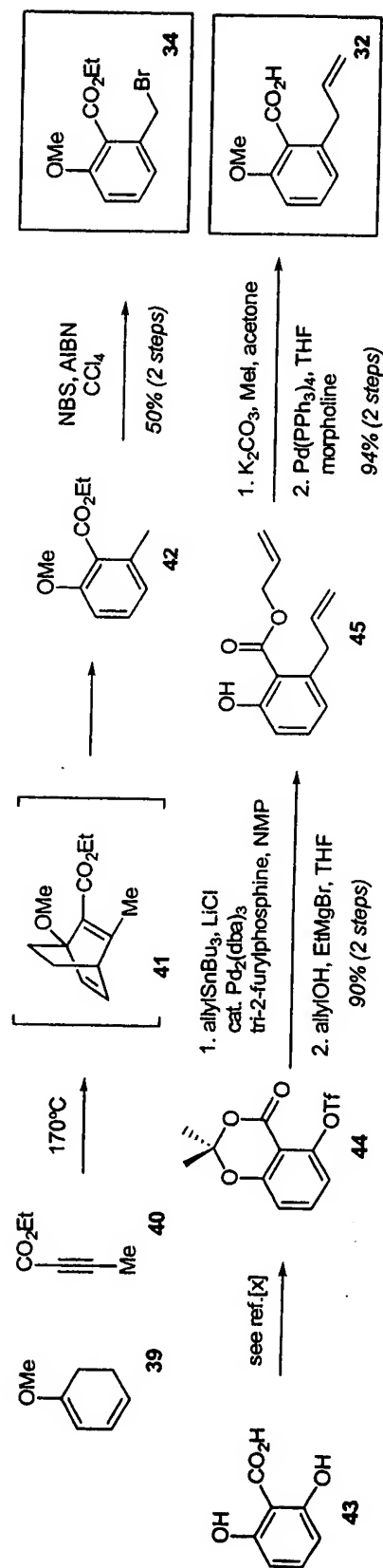


Fig. 6

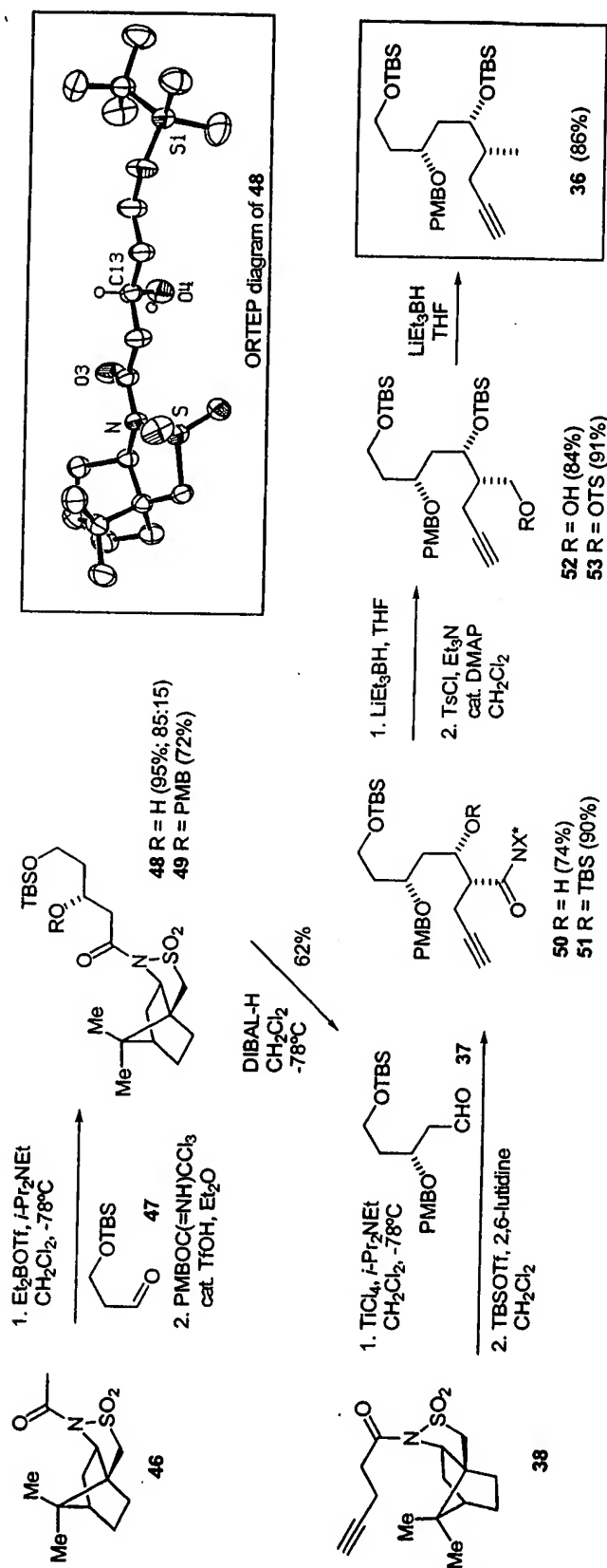


Fig. 7

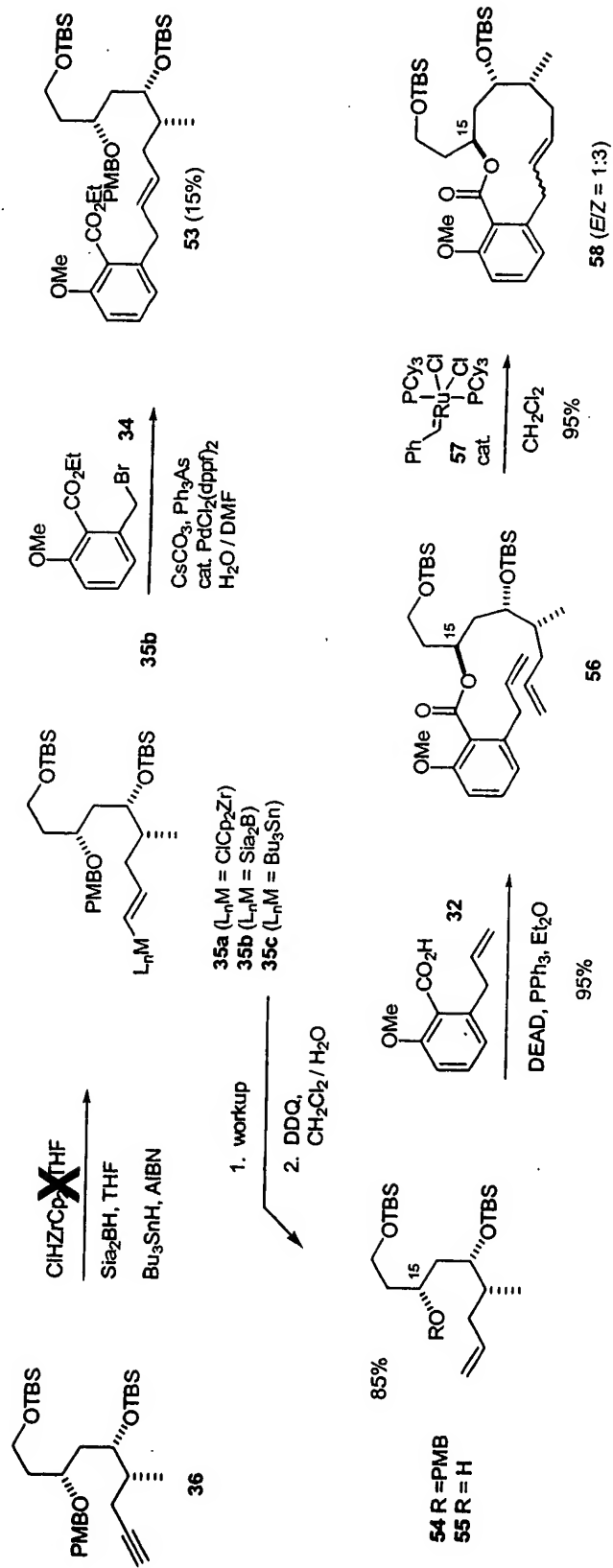


Fig. 8

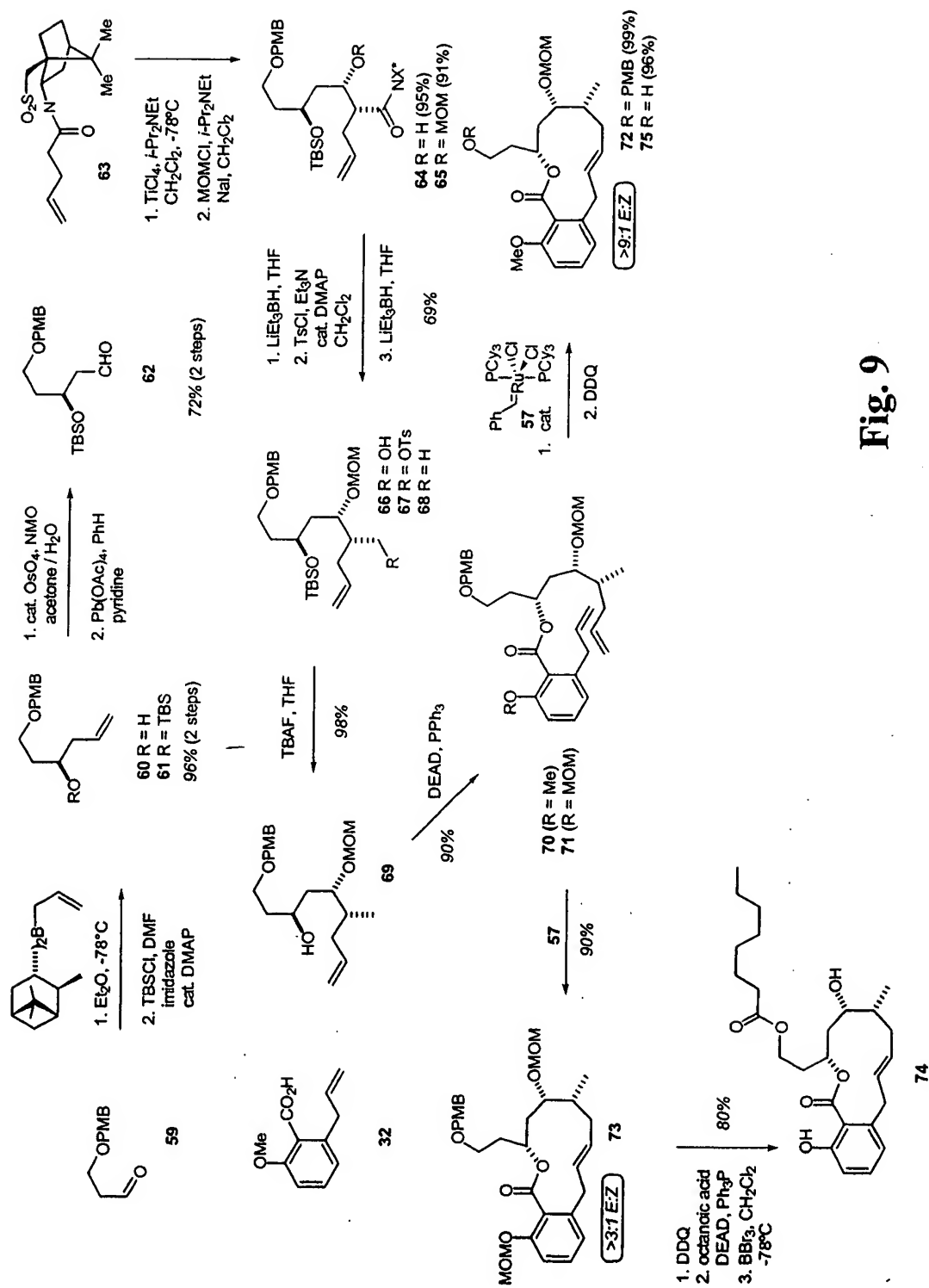


Fig. 9

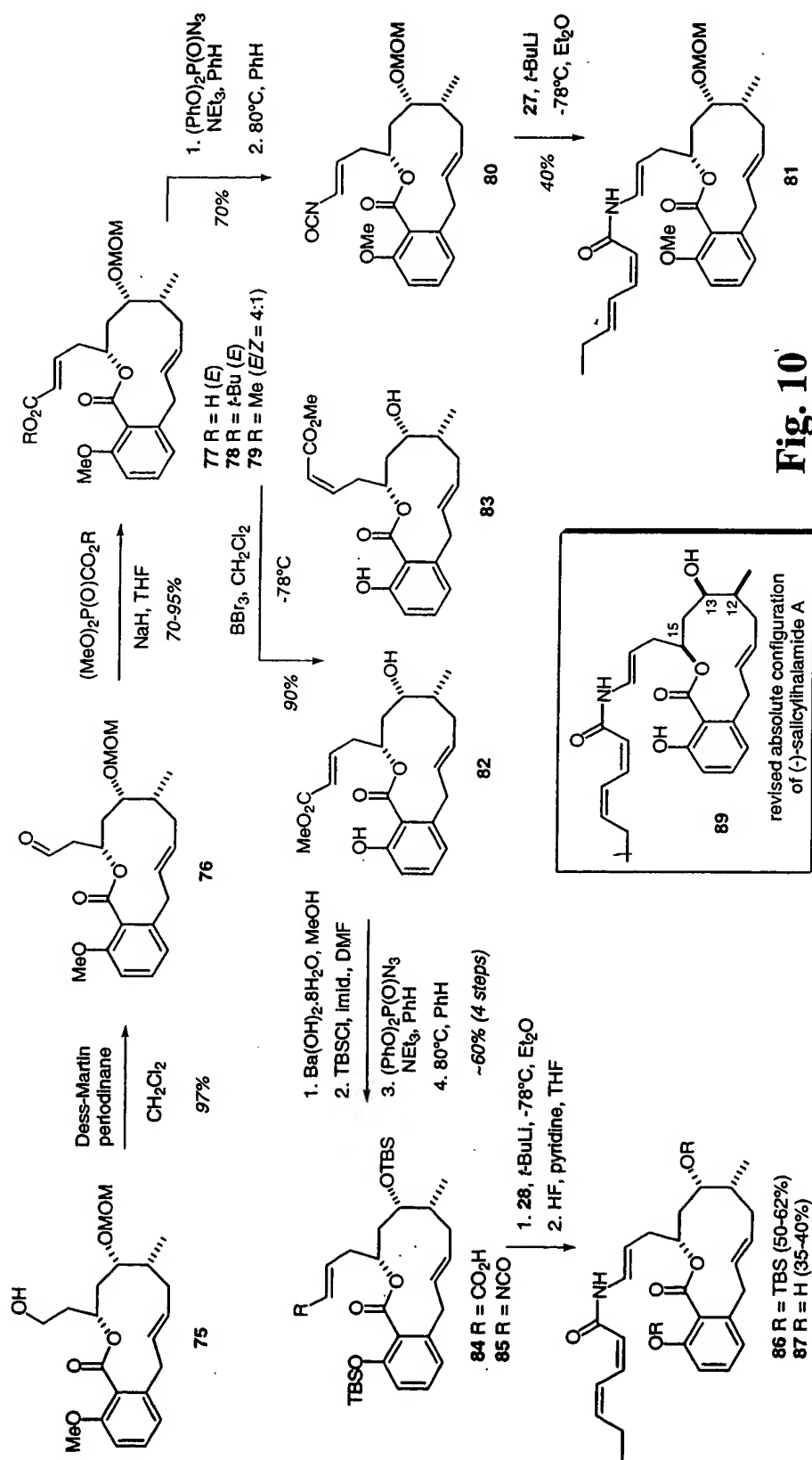


Fig. 10

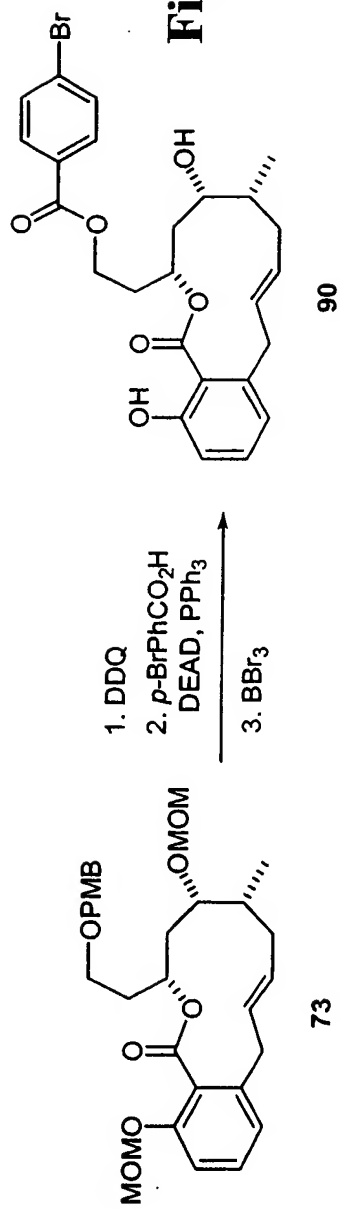


Fig. 11(a)



Fig. 11(b)

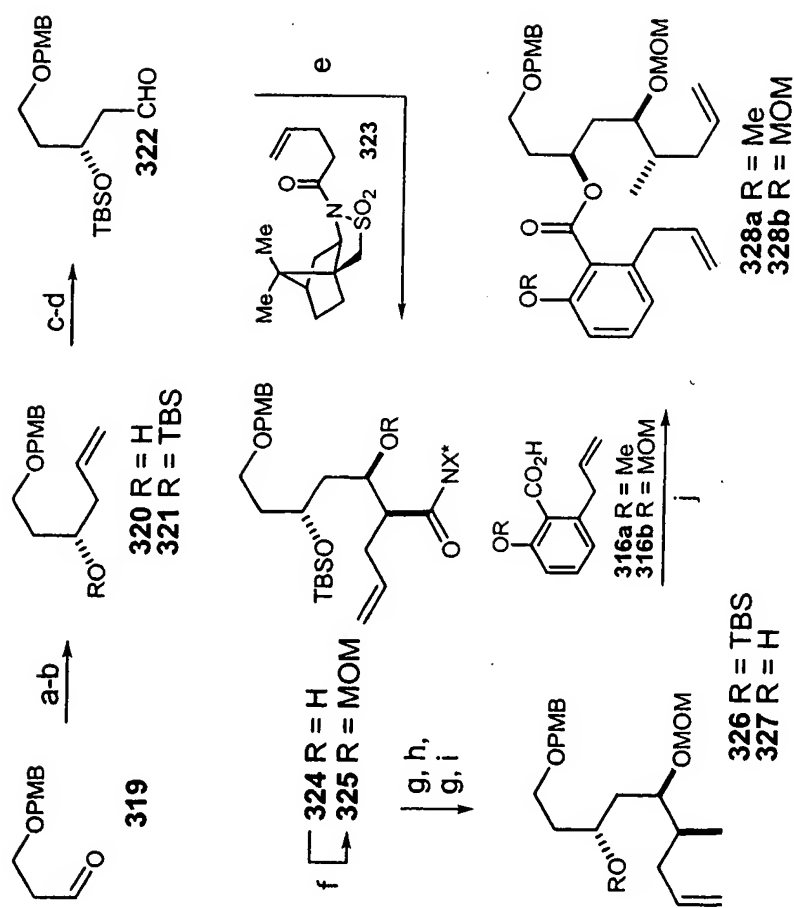


Fig. 12

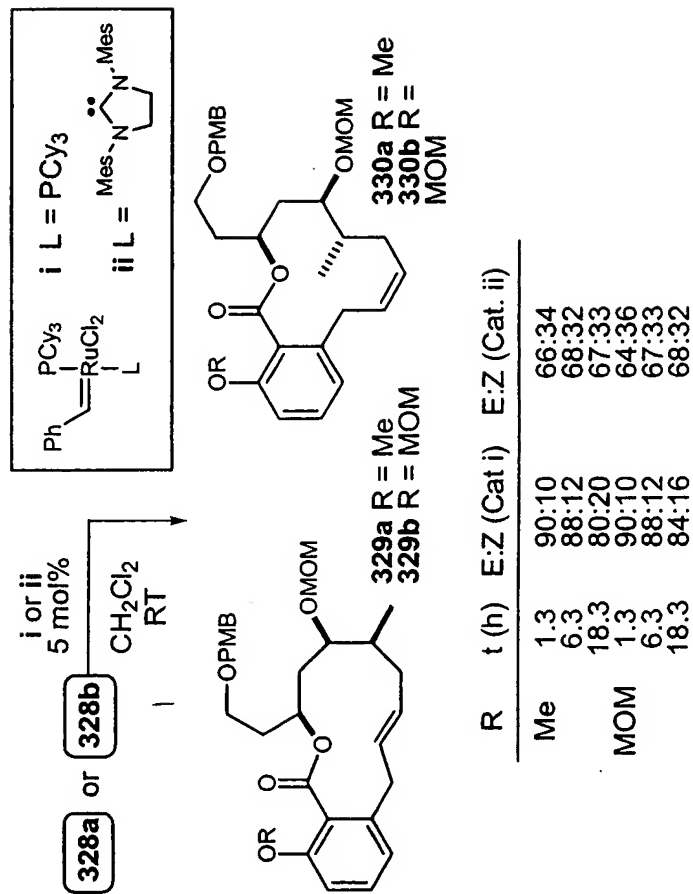


Fig. 13

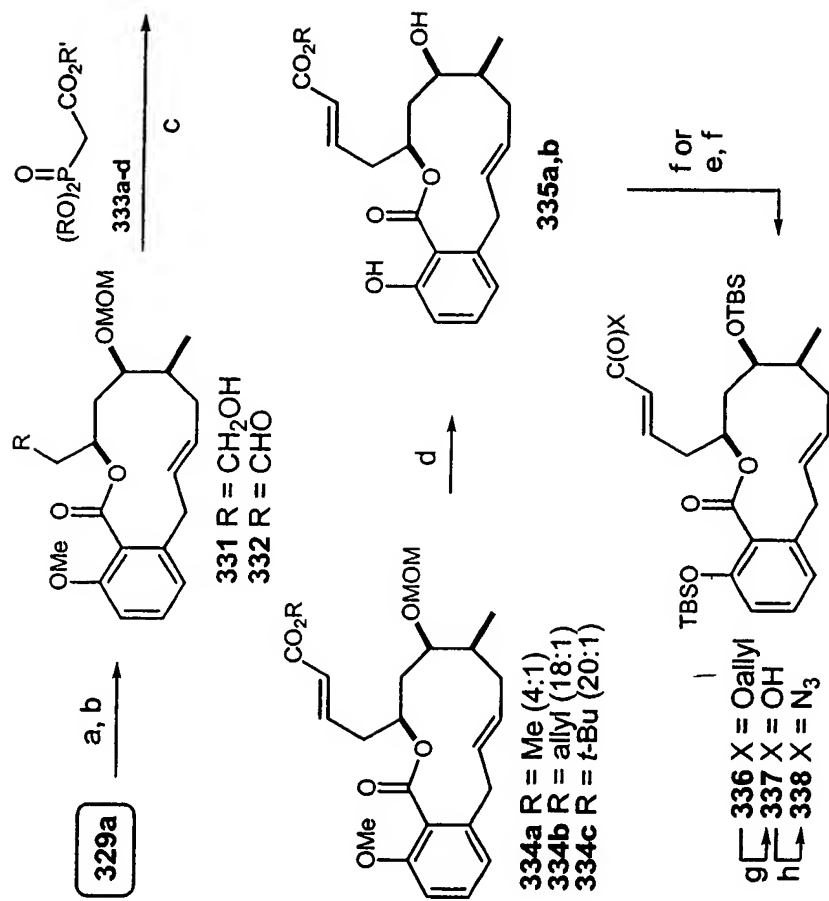
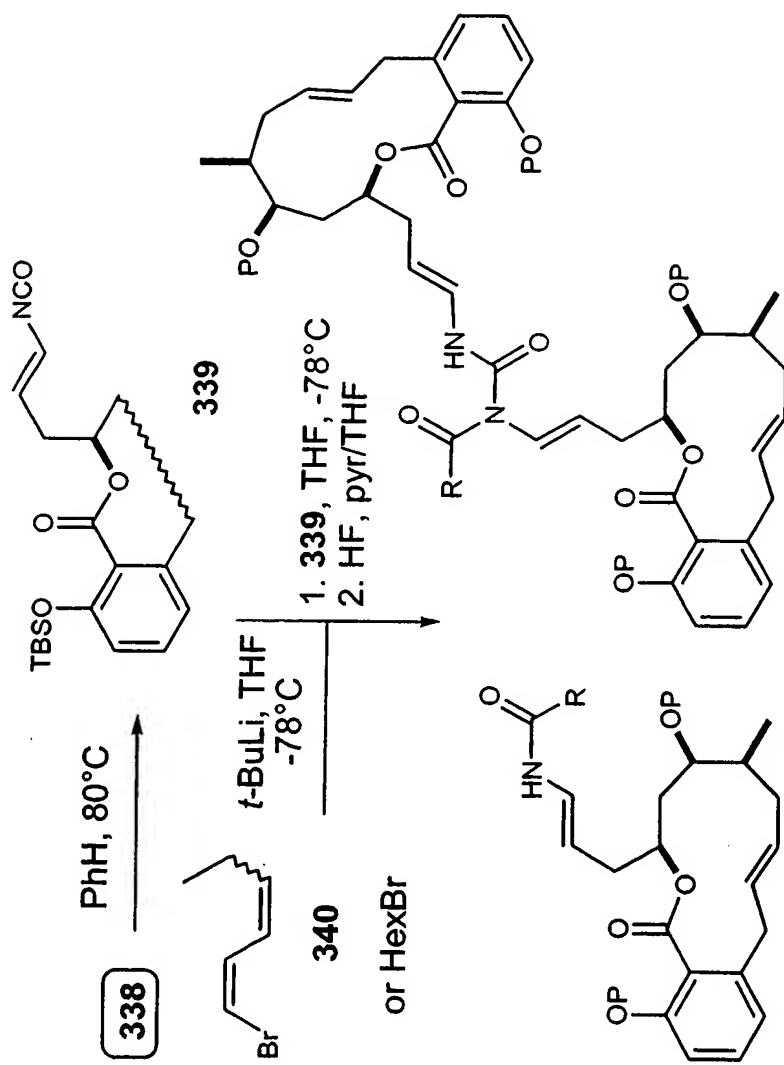


Fig. 14



- 341 R = Z,ZE-hexadienyl, P = TBS
 (-)-301a R = Z,Z-hexadienyl, P = H
 (-)-301c R = Z,E-hexadienyl, P = H
 346 R = hexyl, P = H
 342 R = Z,ZE-hexadienyl, P = TBS
 343 R = Z,Z-hexadienyl, P = H
 344 R = Z,E-hexadienyl, P = H
 345 R = hexyl, P = H

Fig. 15

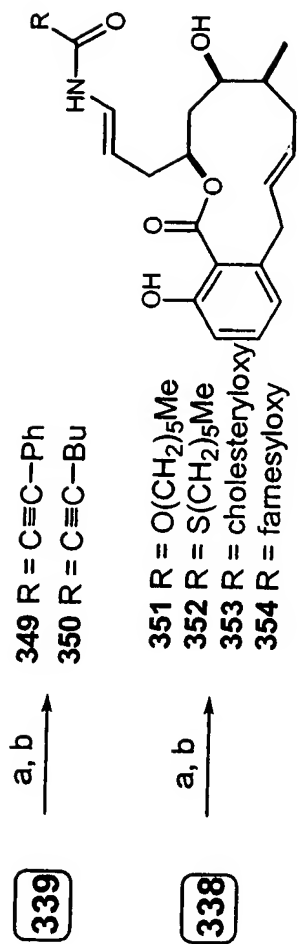
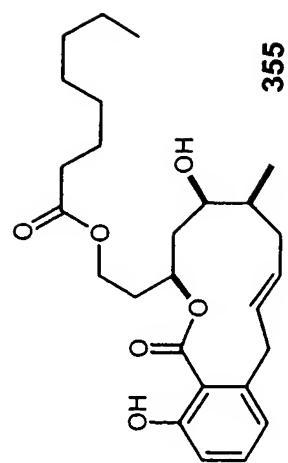


Fig. 16



1. DDQ
2. PPh₃, DEAD
p-BrPhCO₂H
3. BBr₃

329a,b

Fig. 17

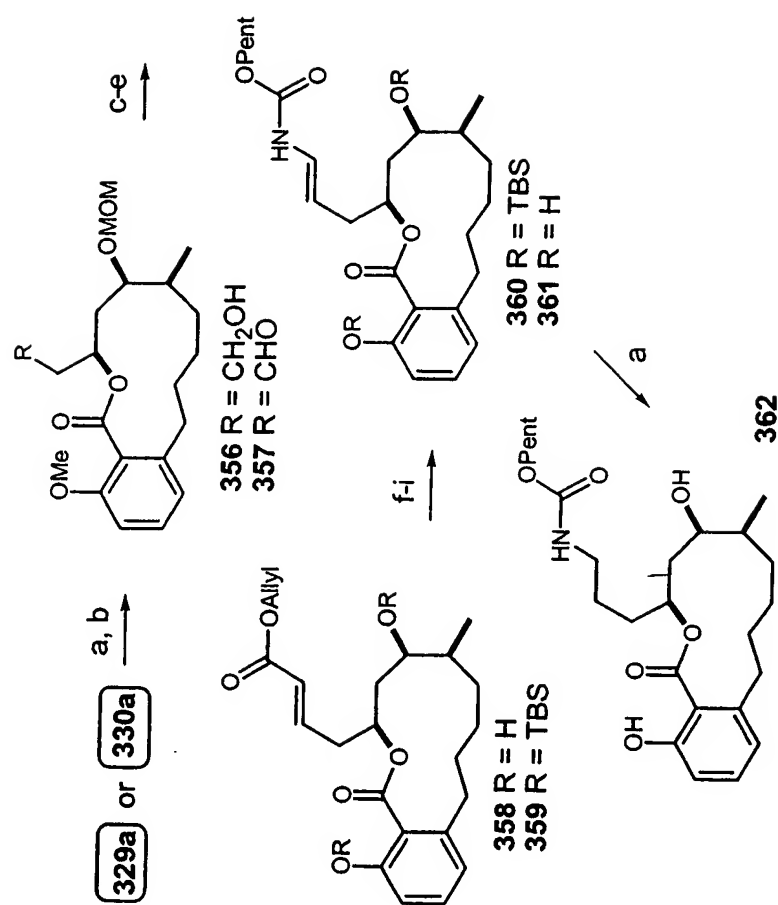


Fig. 18

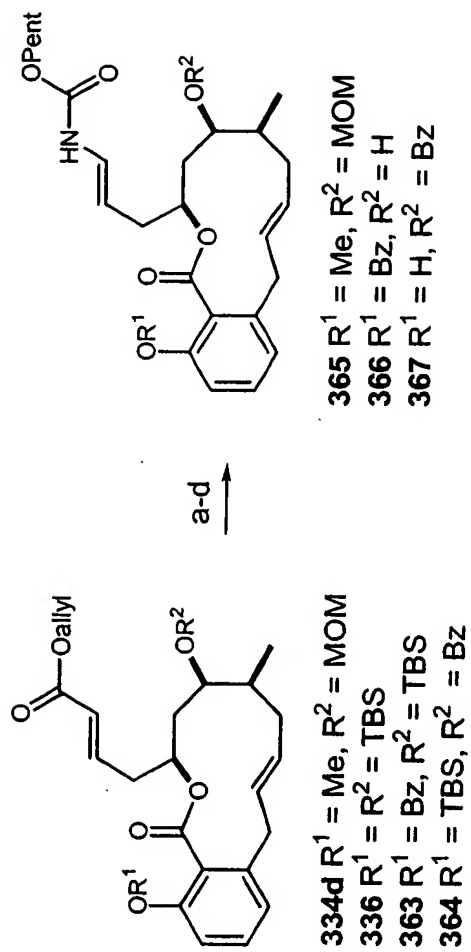


Fig. 19

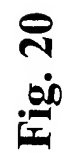


Fig. 20

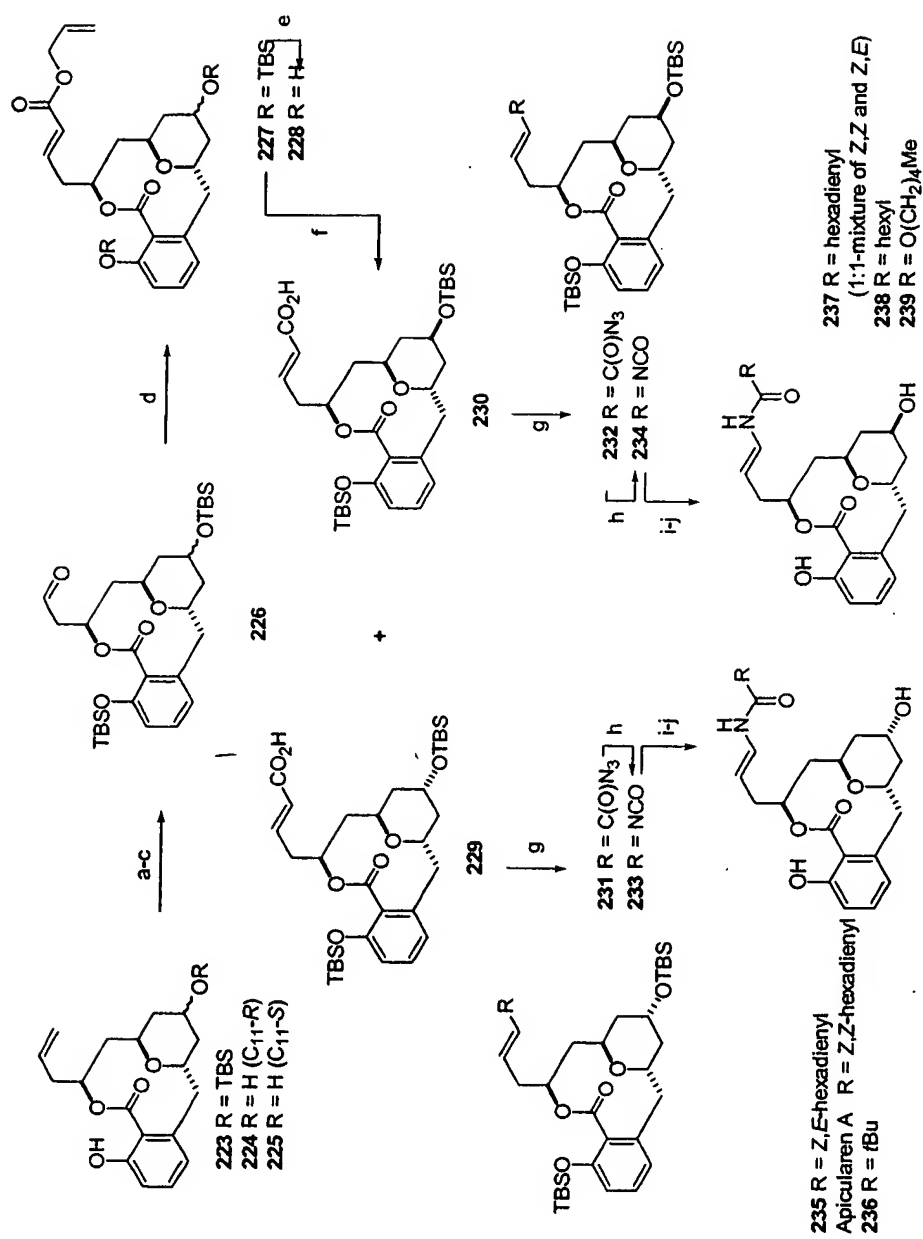


Fig. 21

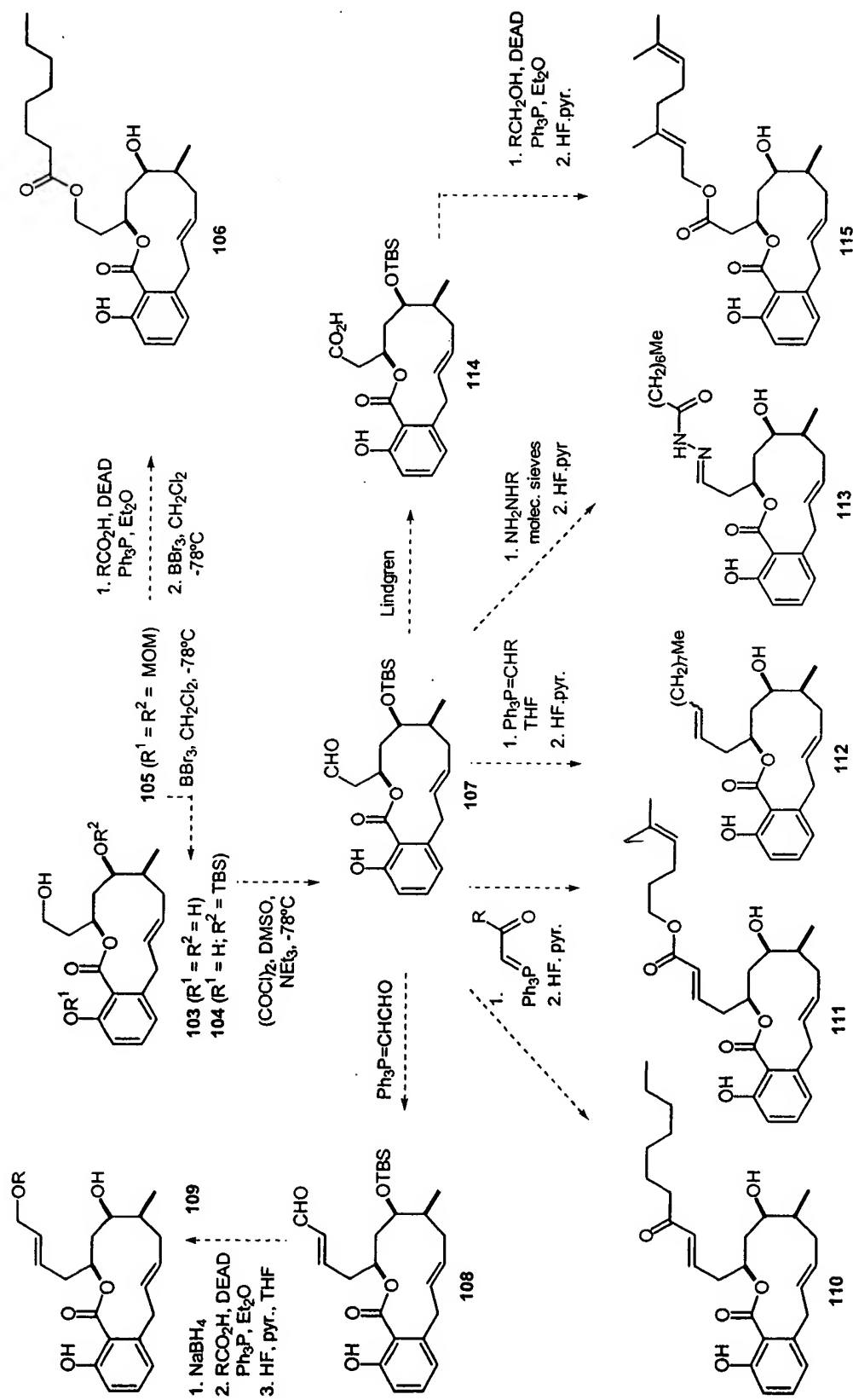


Fig. 22

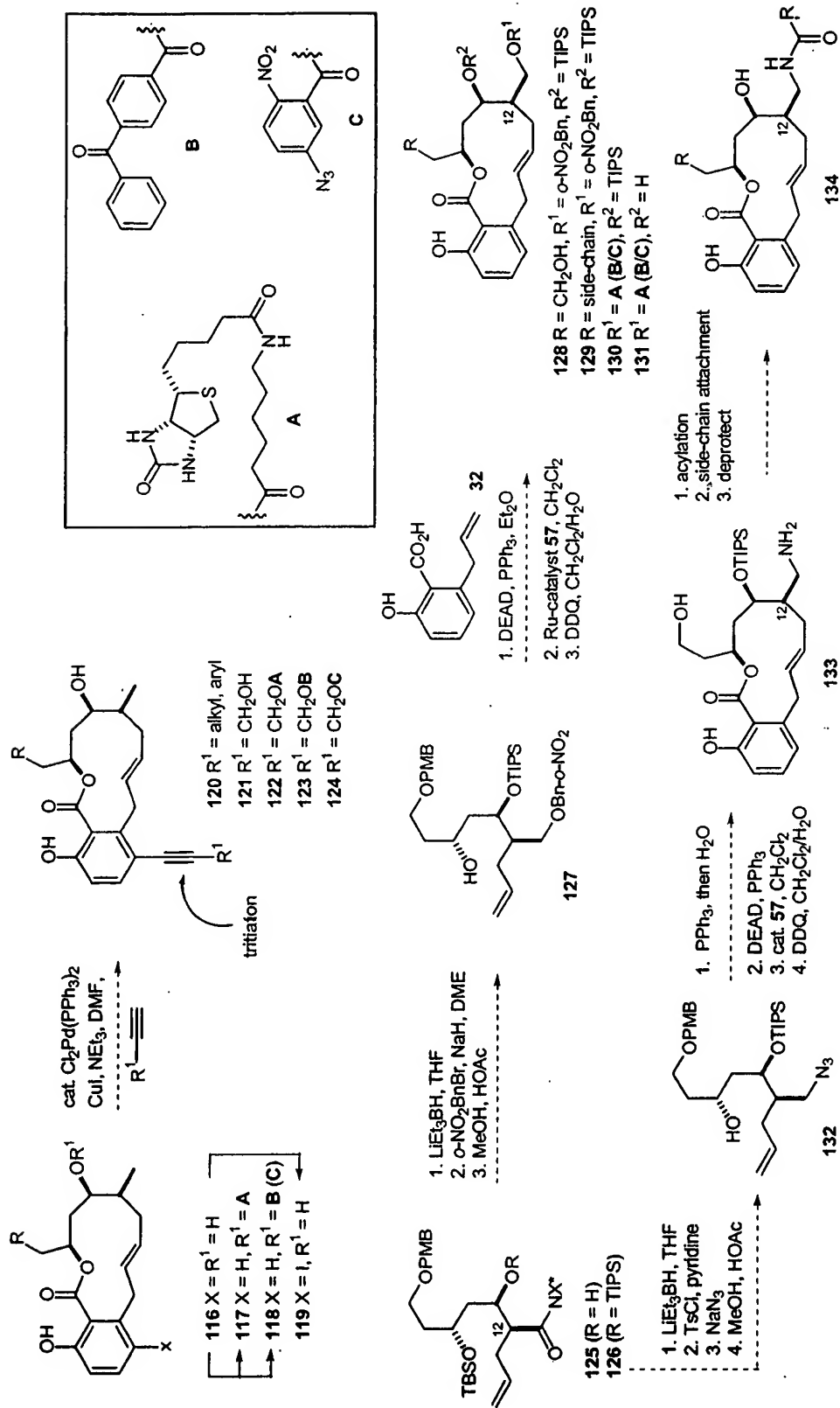


Fig. 23

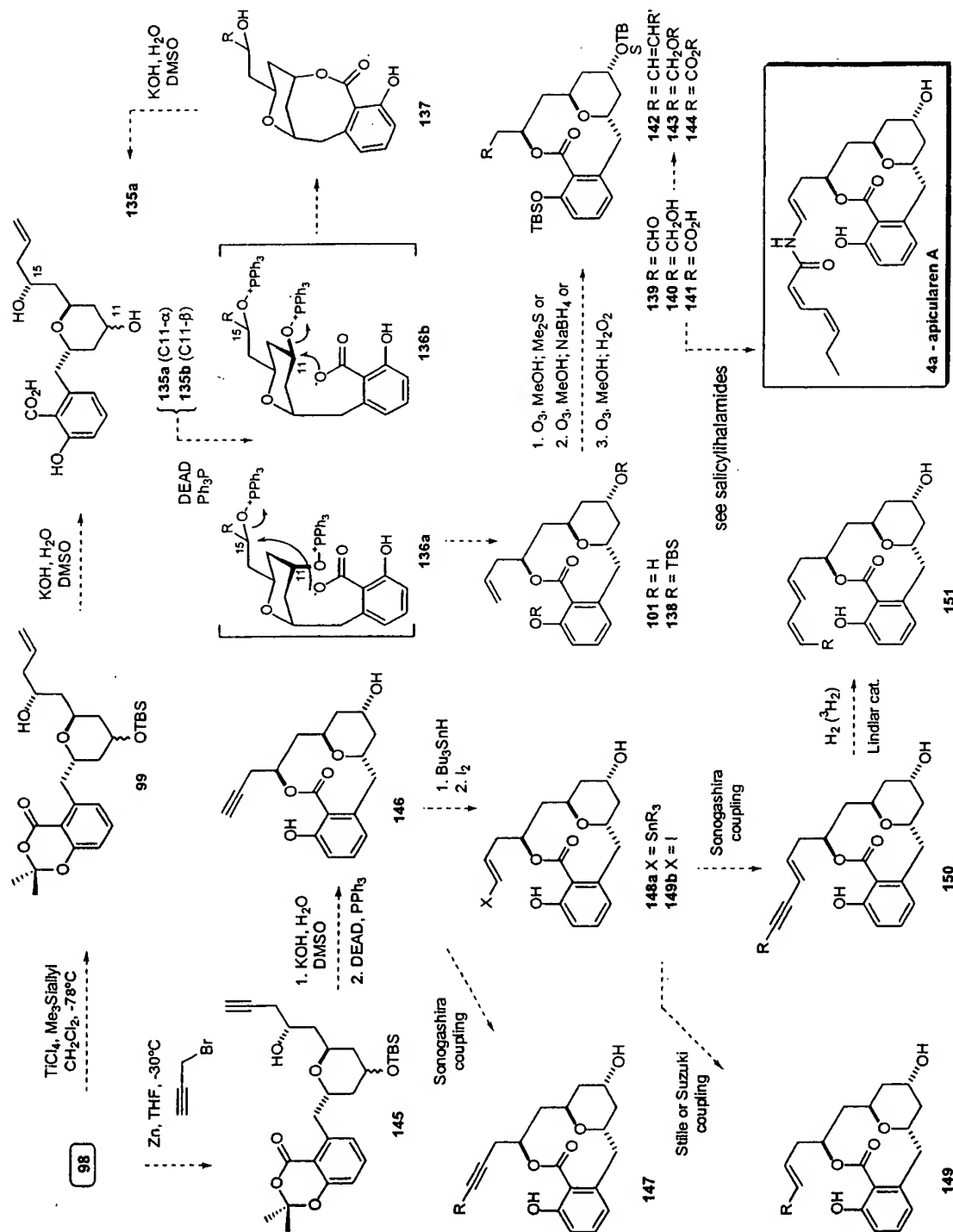


Fig. 24

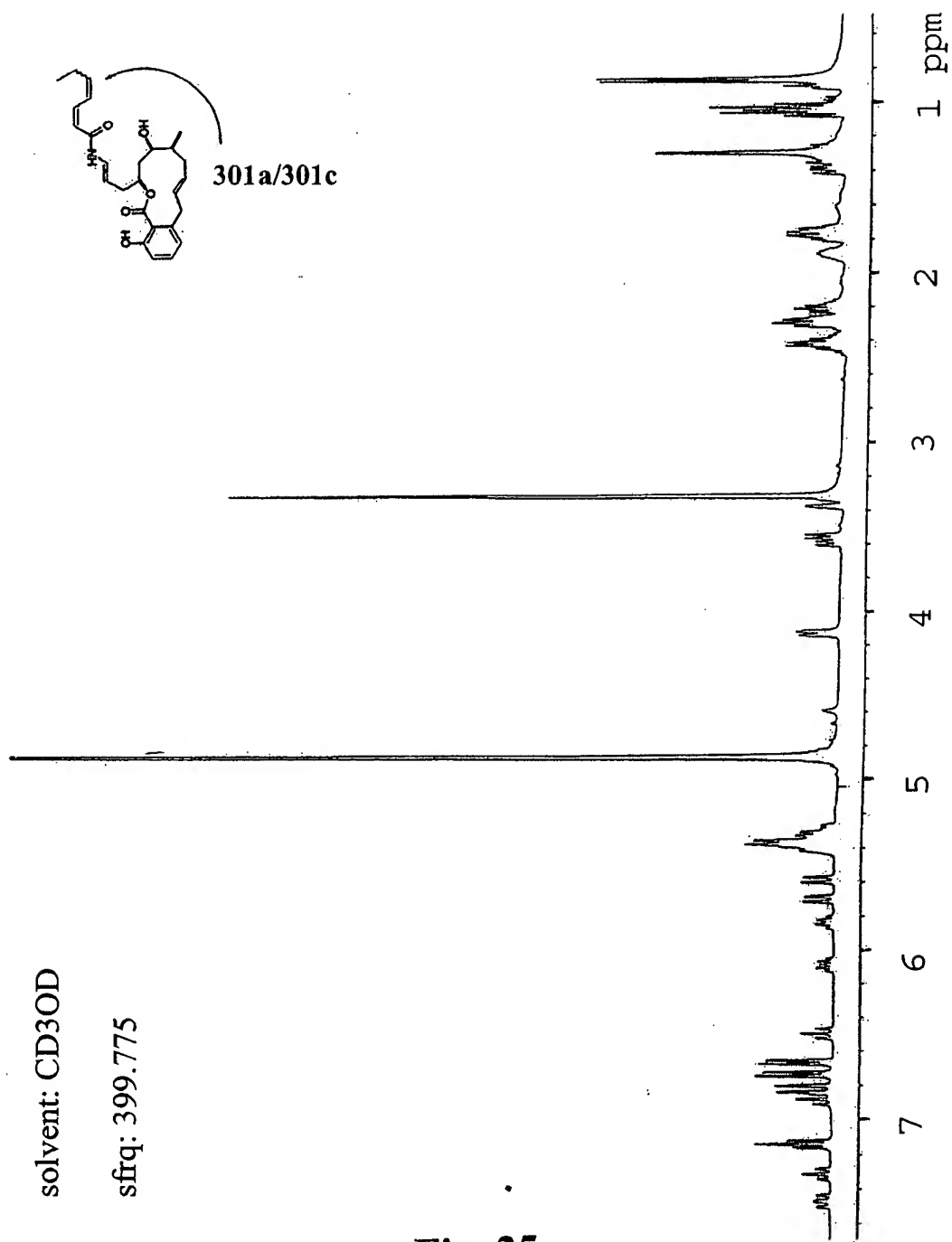


Fig. 25

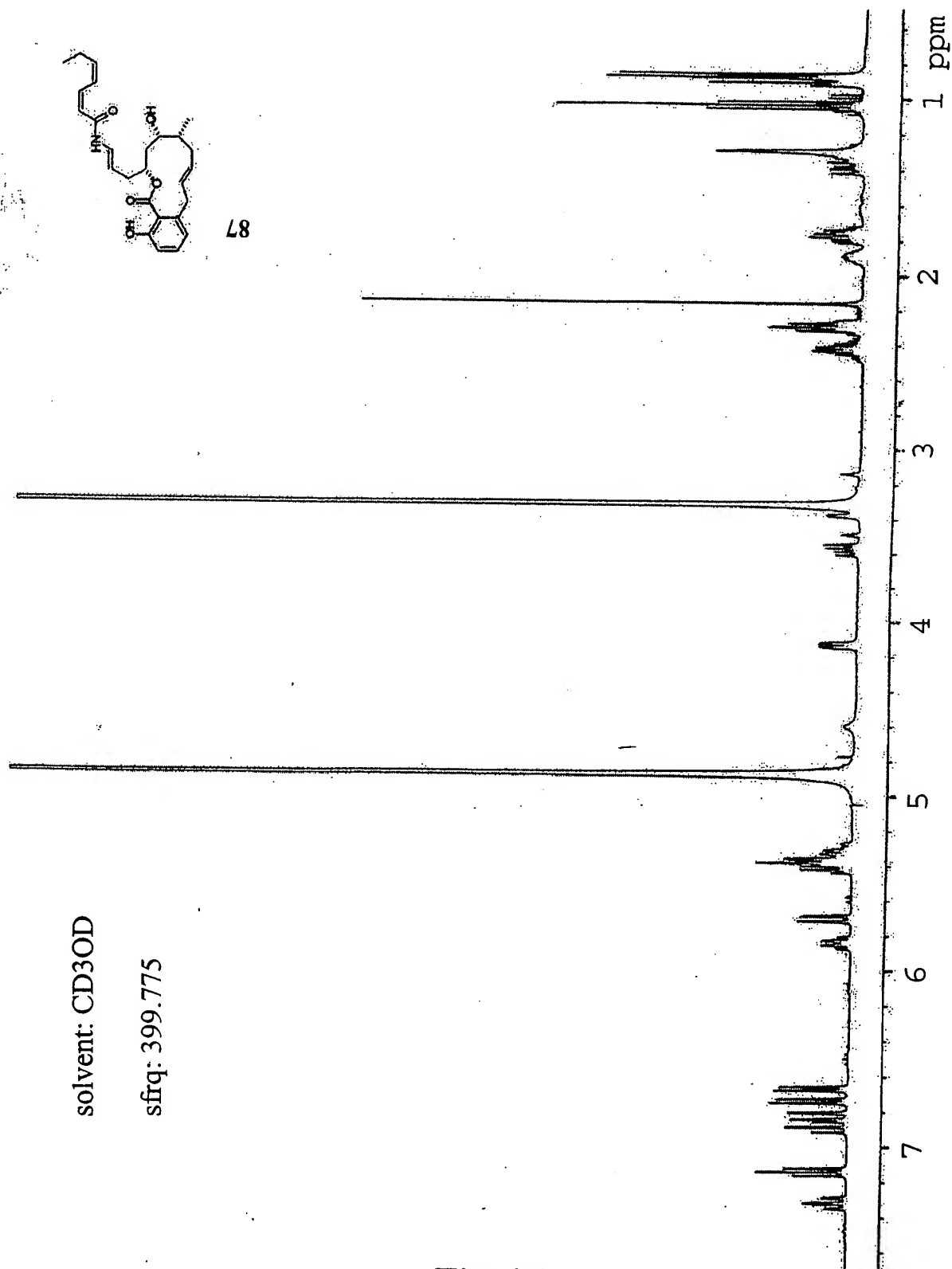


Fig. 26

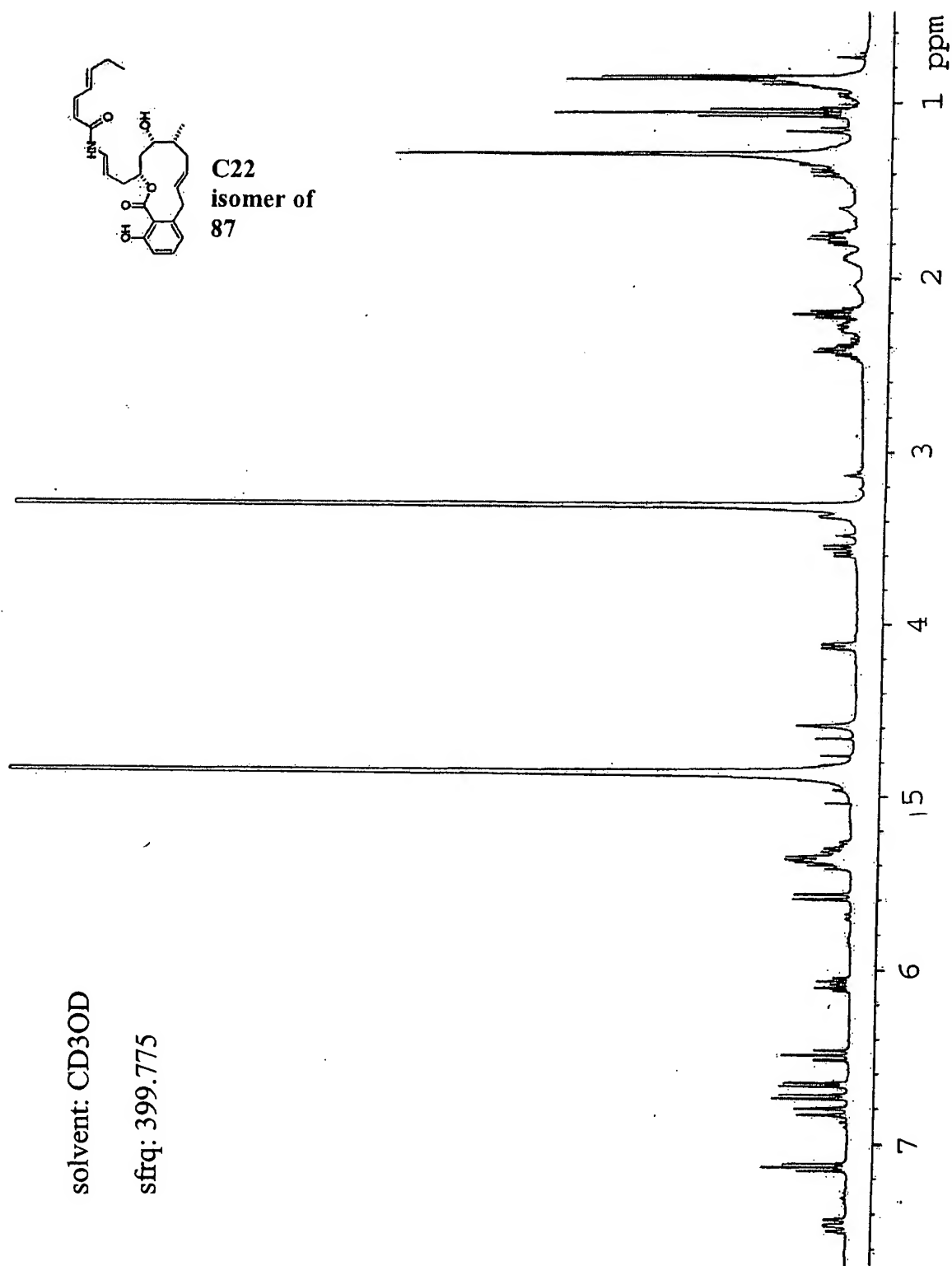
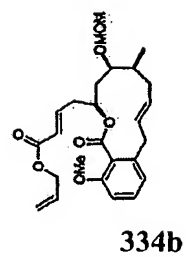


Fig. 27



solvent: CD3OD

sfrq: 399.775

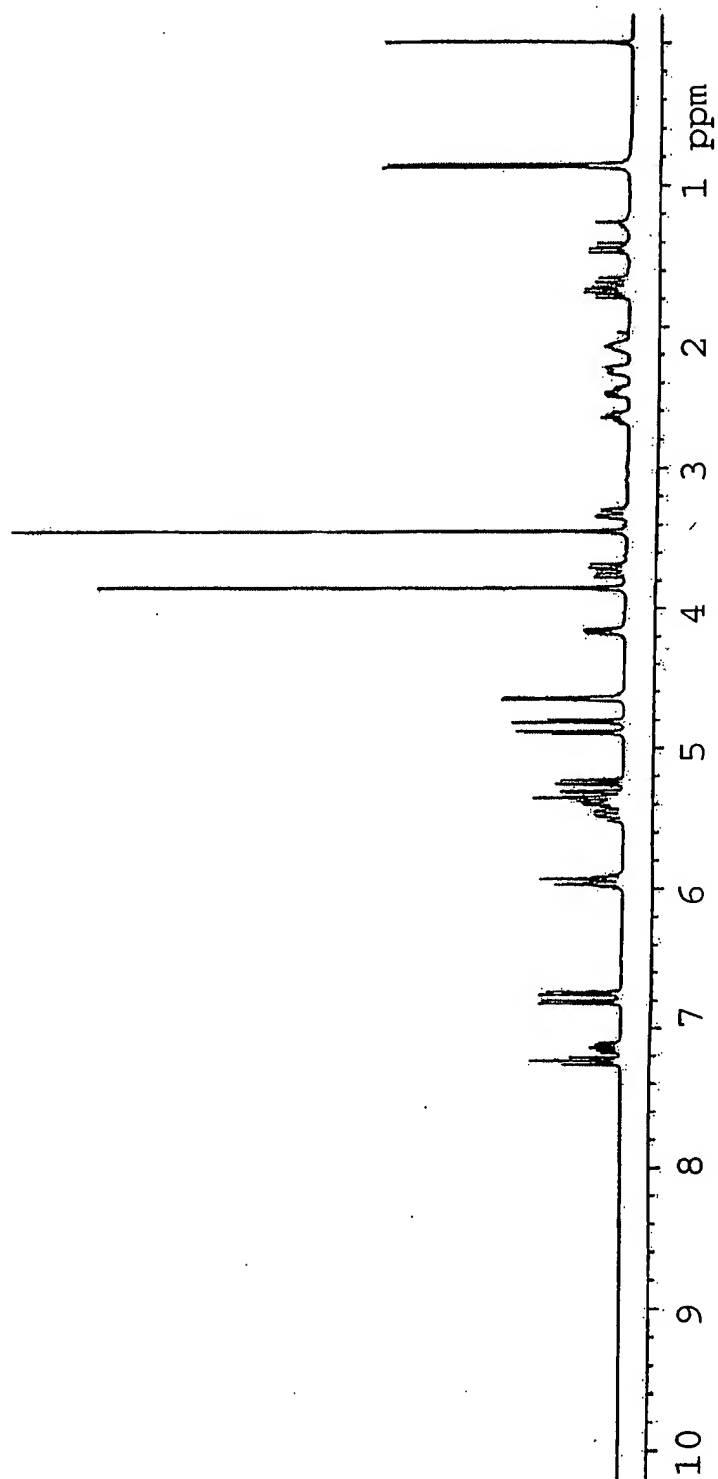
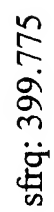


Fig. 28



sfrq: 399.775

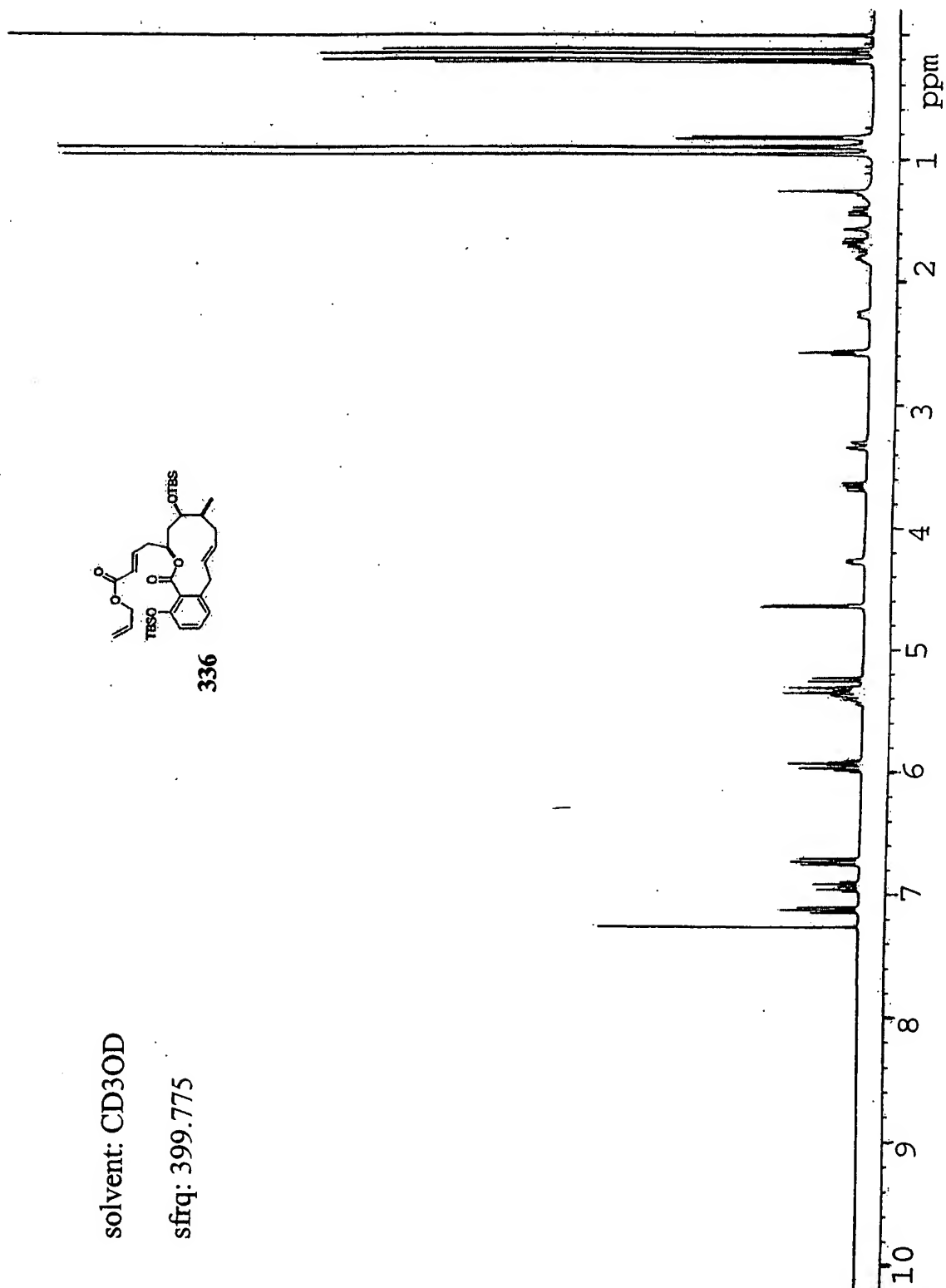
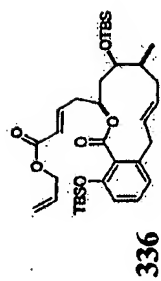
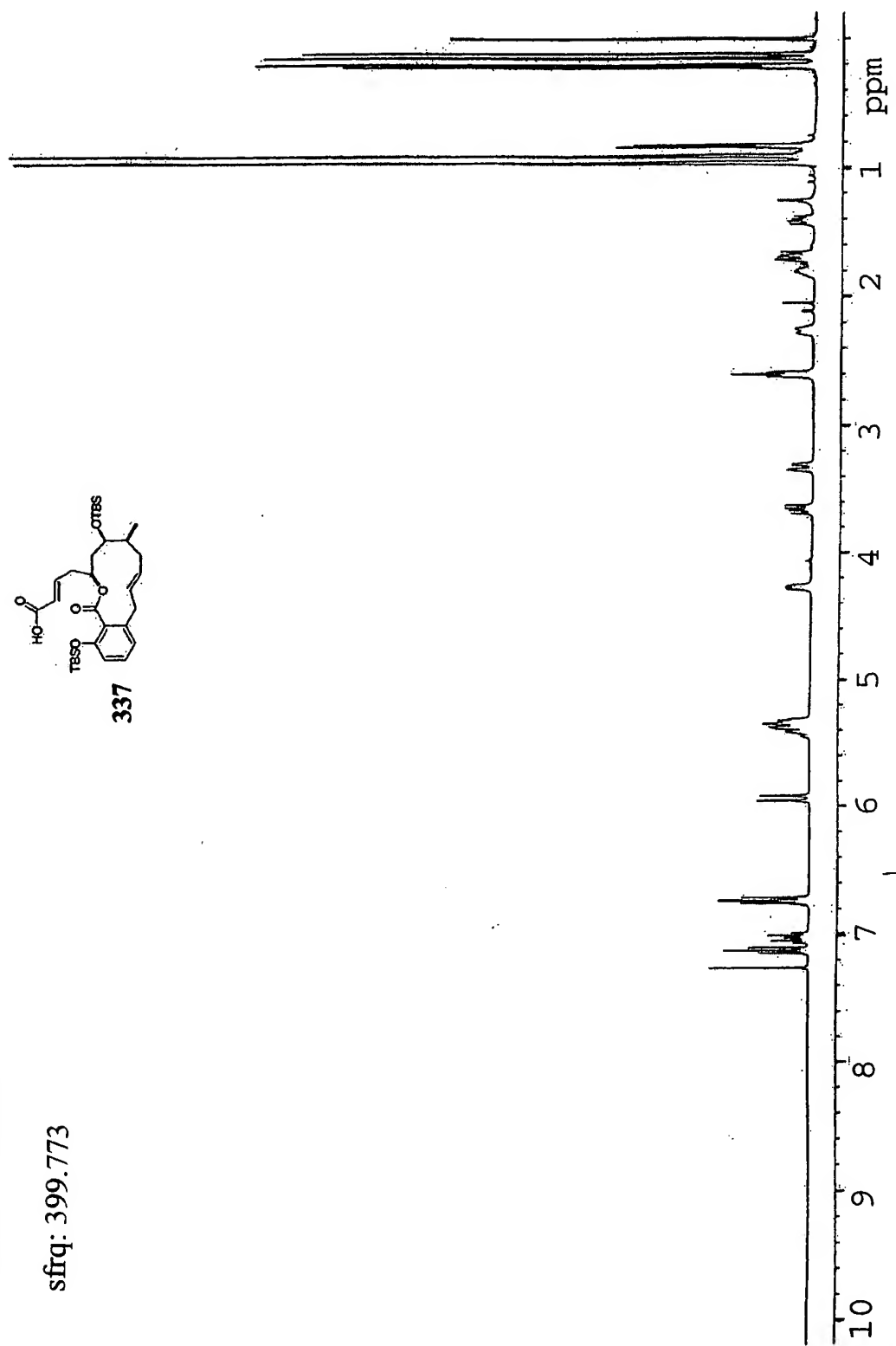
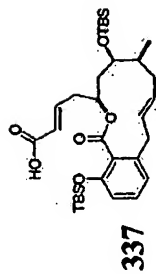


Fig. 30

solvent: CD3OD

sfrq: 399.773



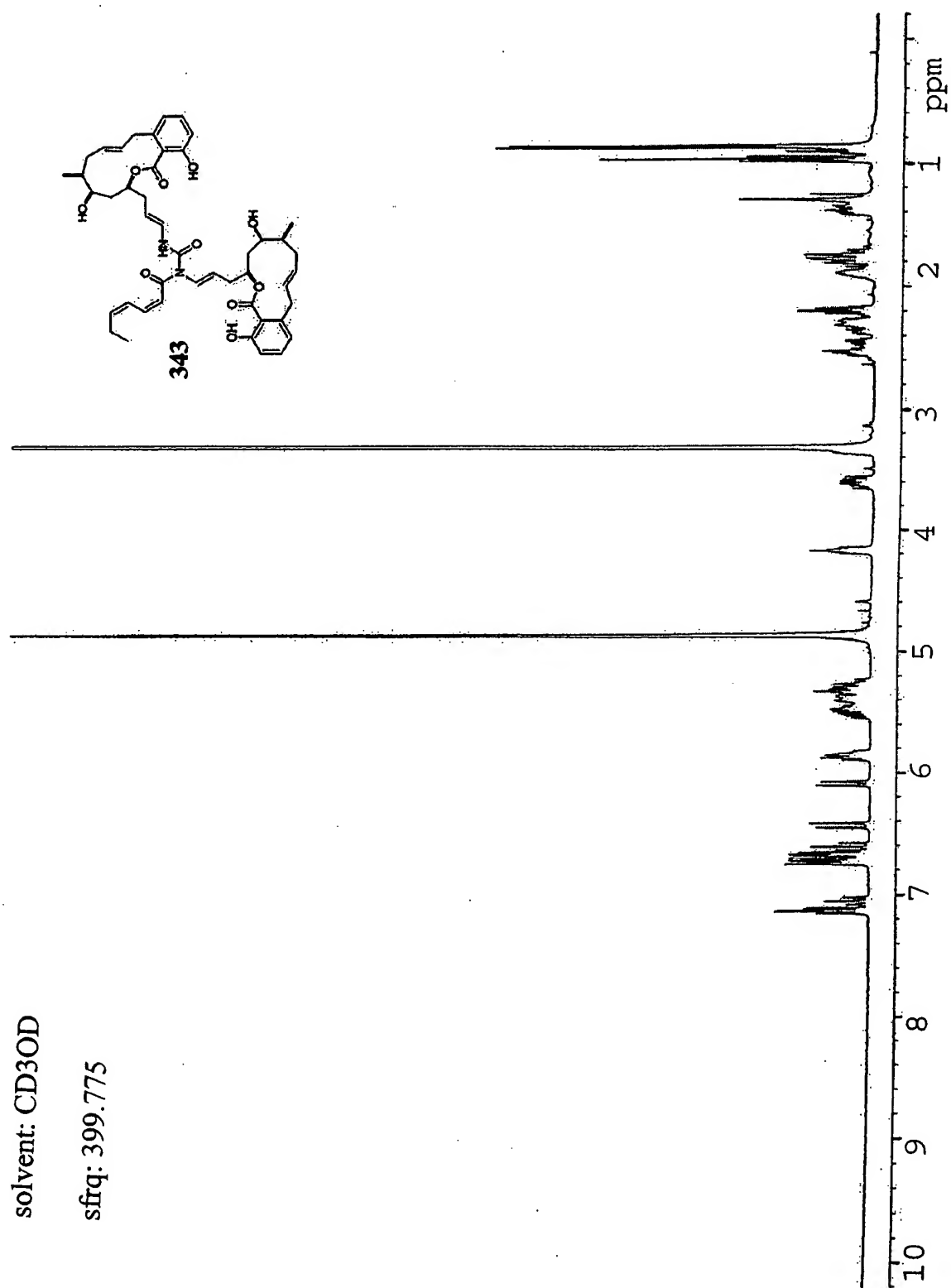


Fig. 32

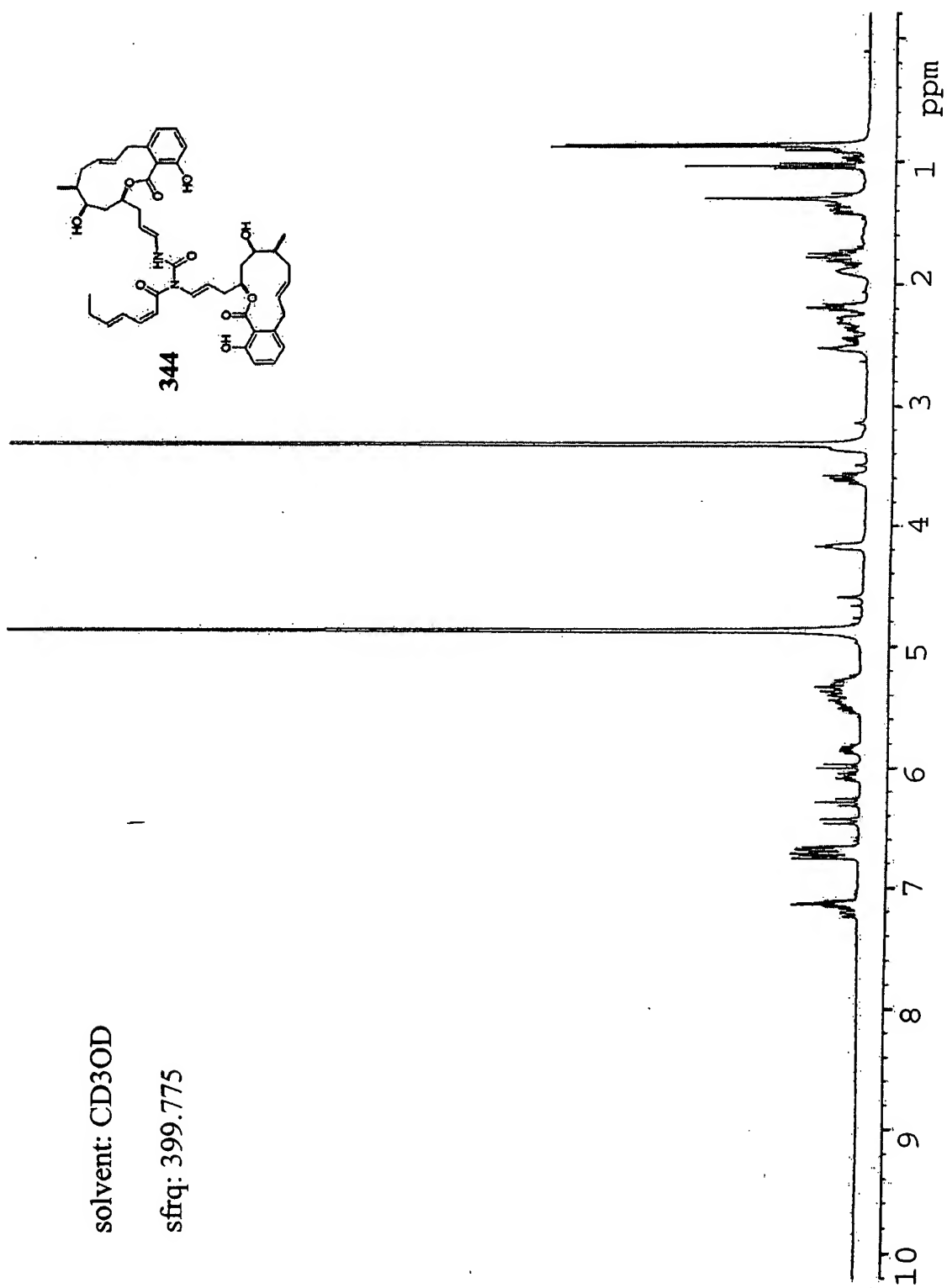


Fig. 33

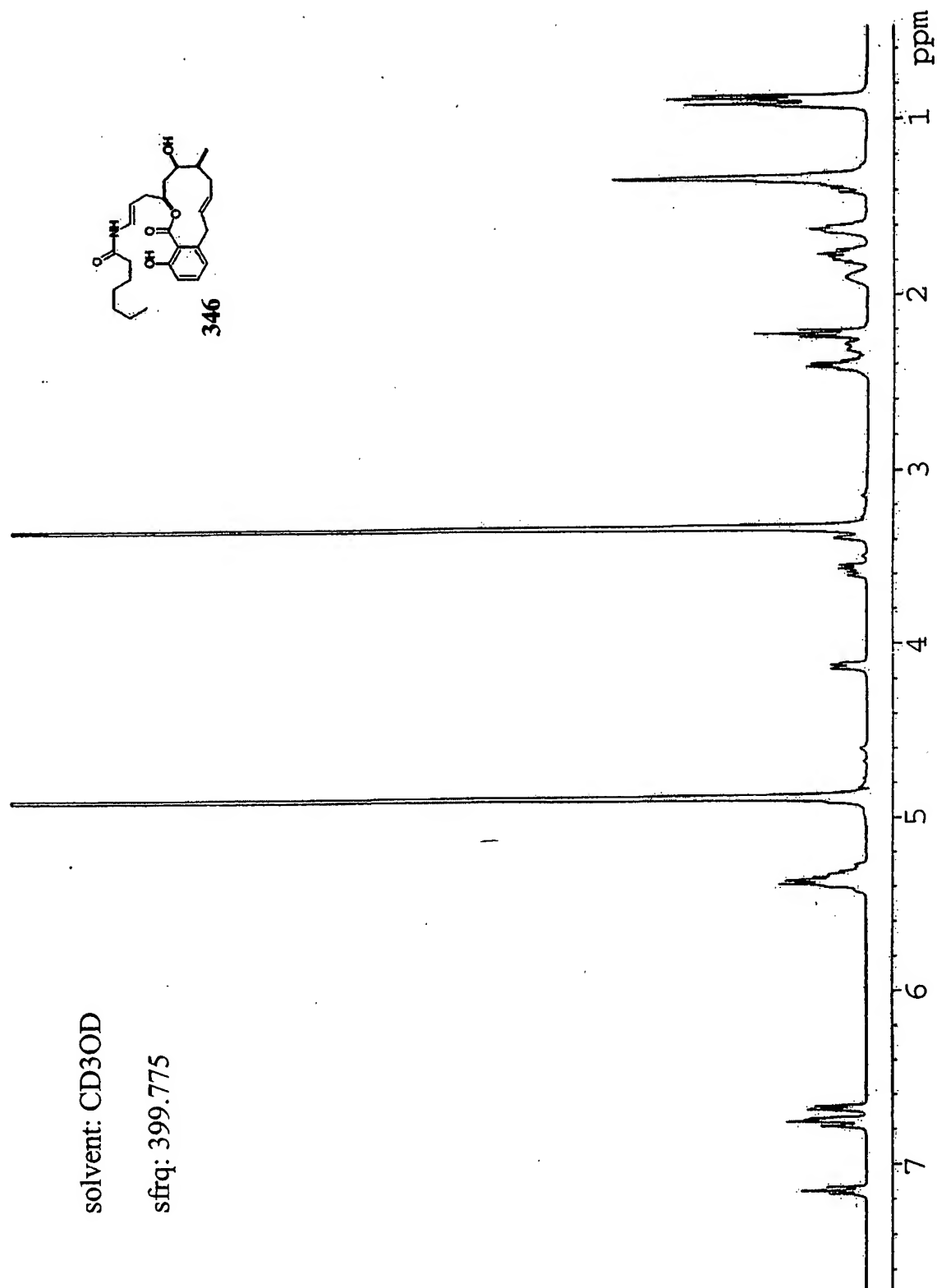


Fig. 34

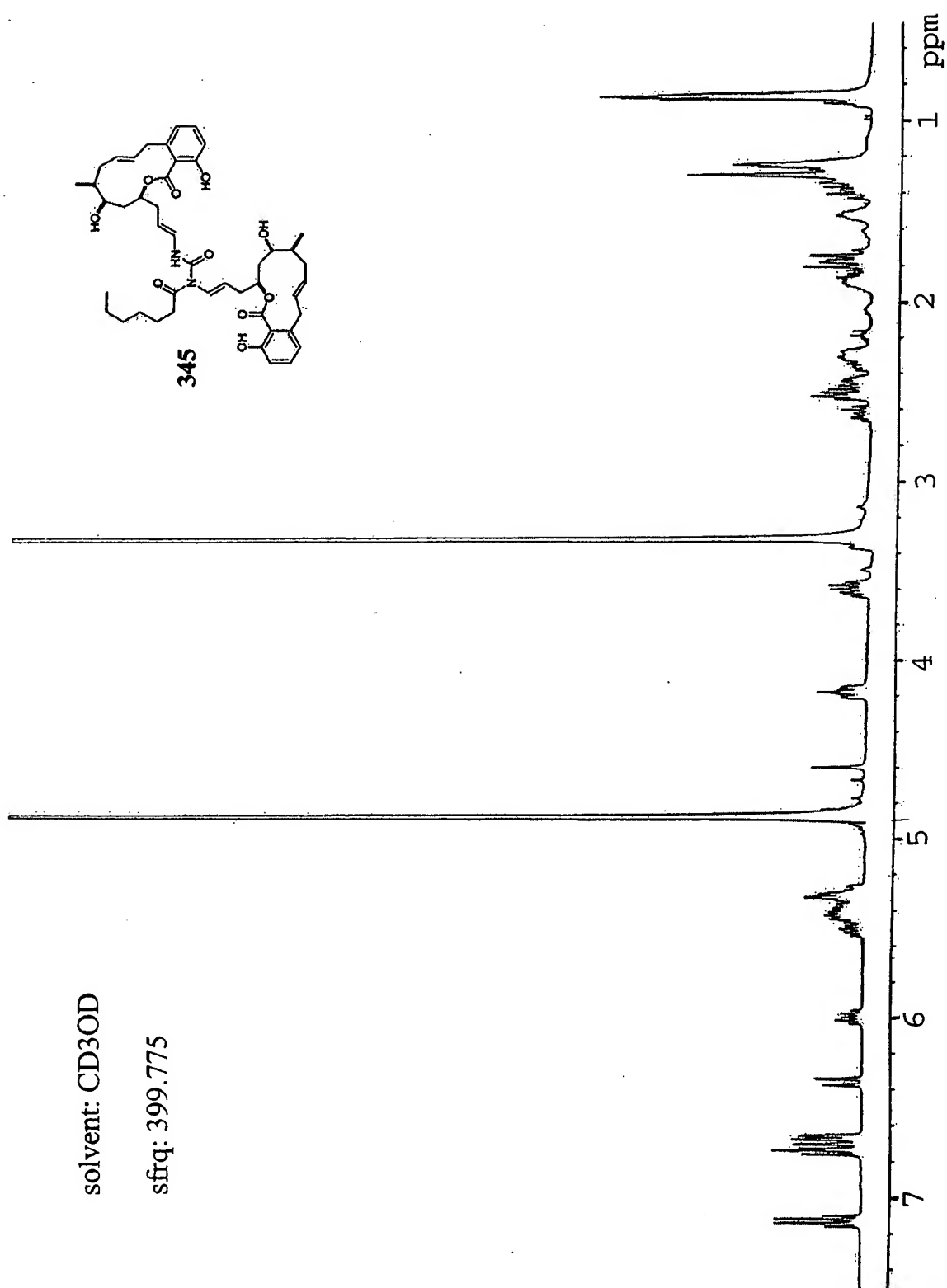


Fig. 35

solvent: CD3OD

sfrq: 399.775

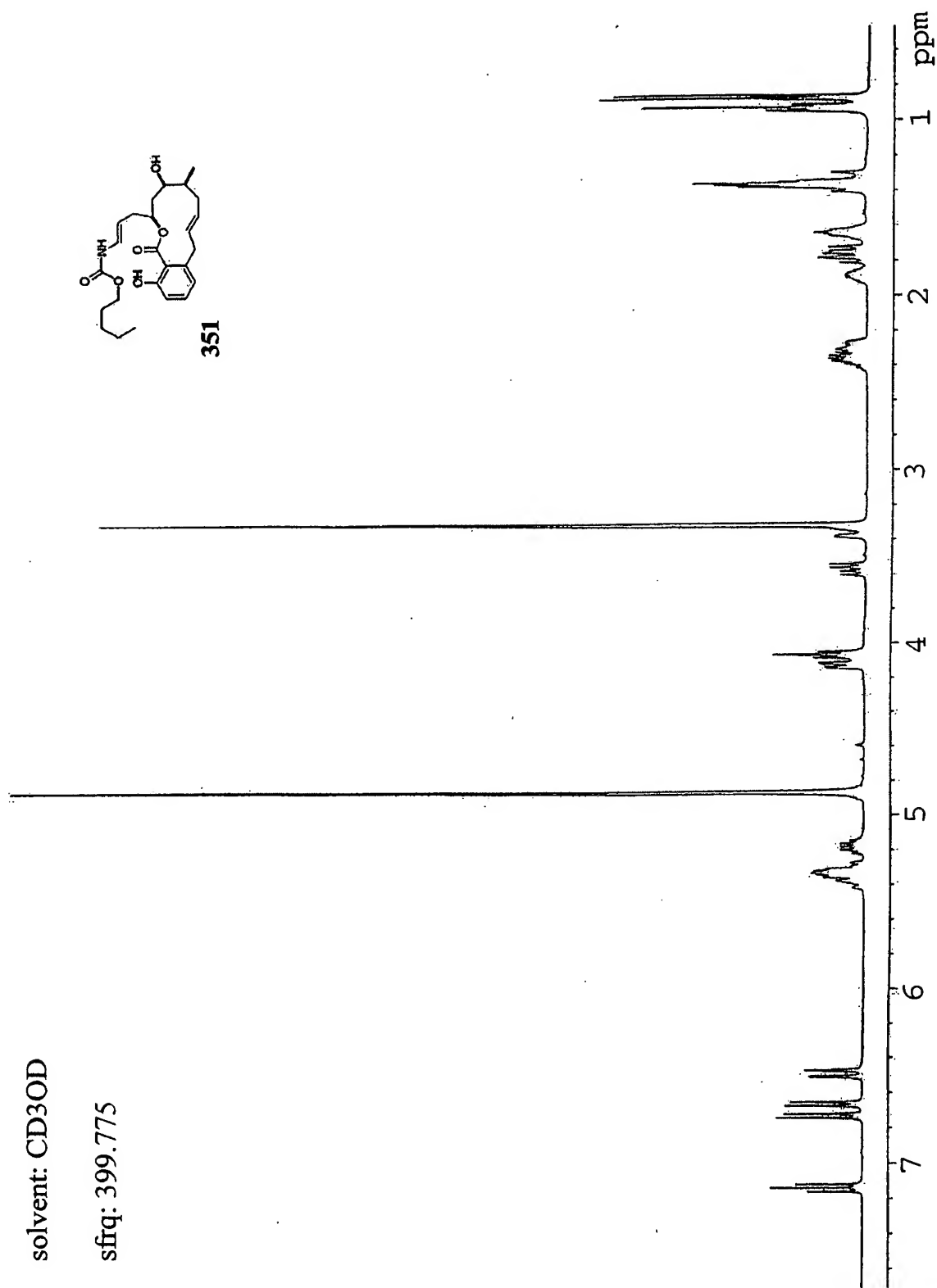
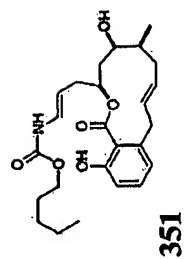


Fig. 36

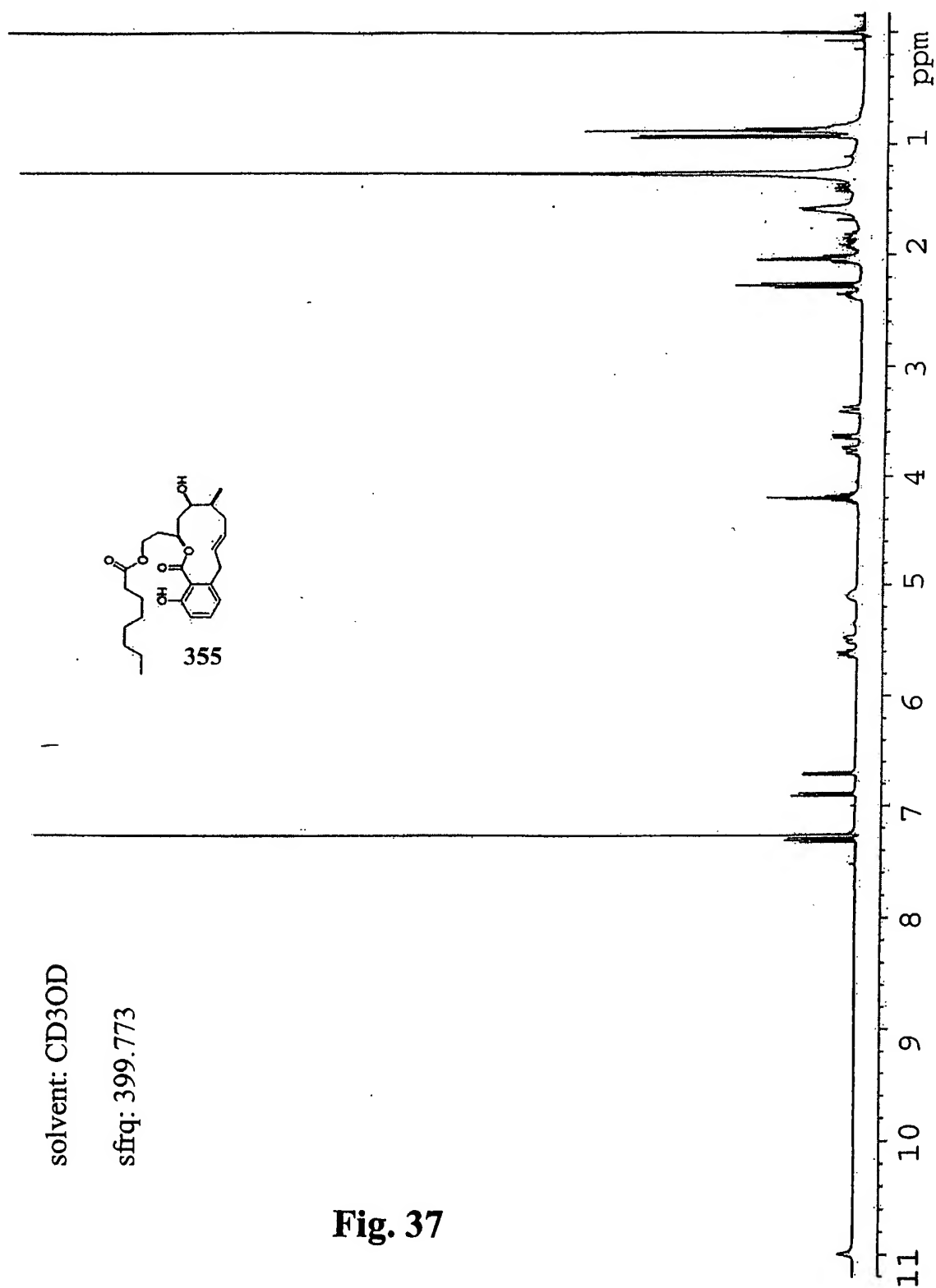


Fig. 37

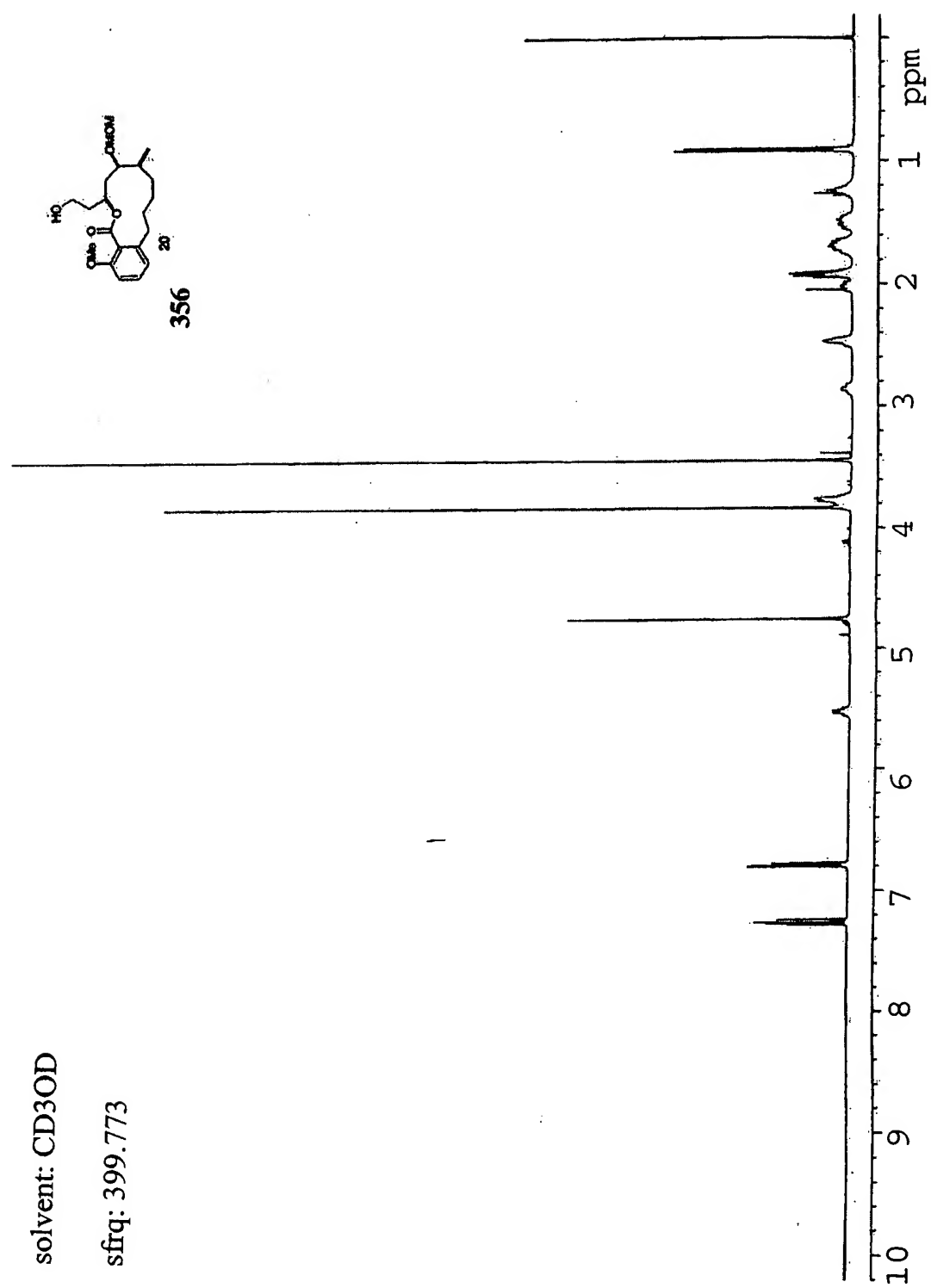


Fig. 38

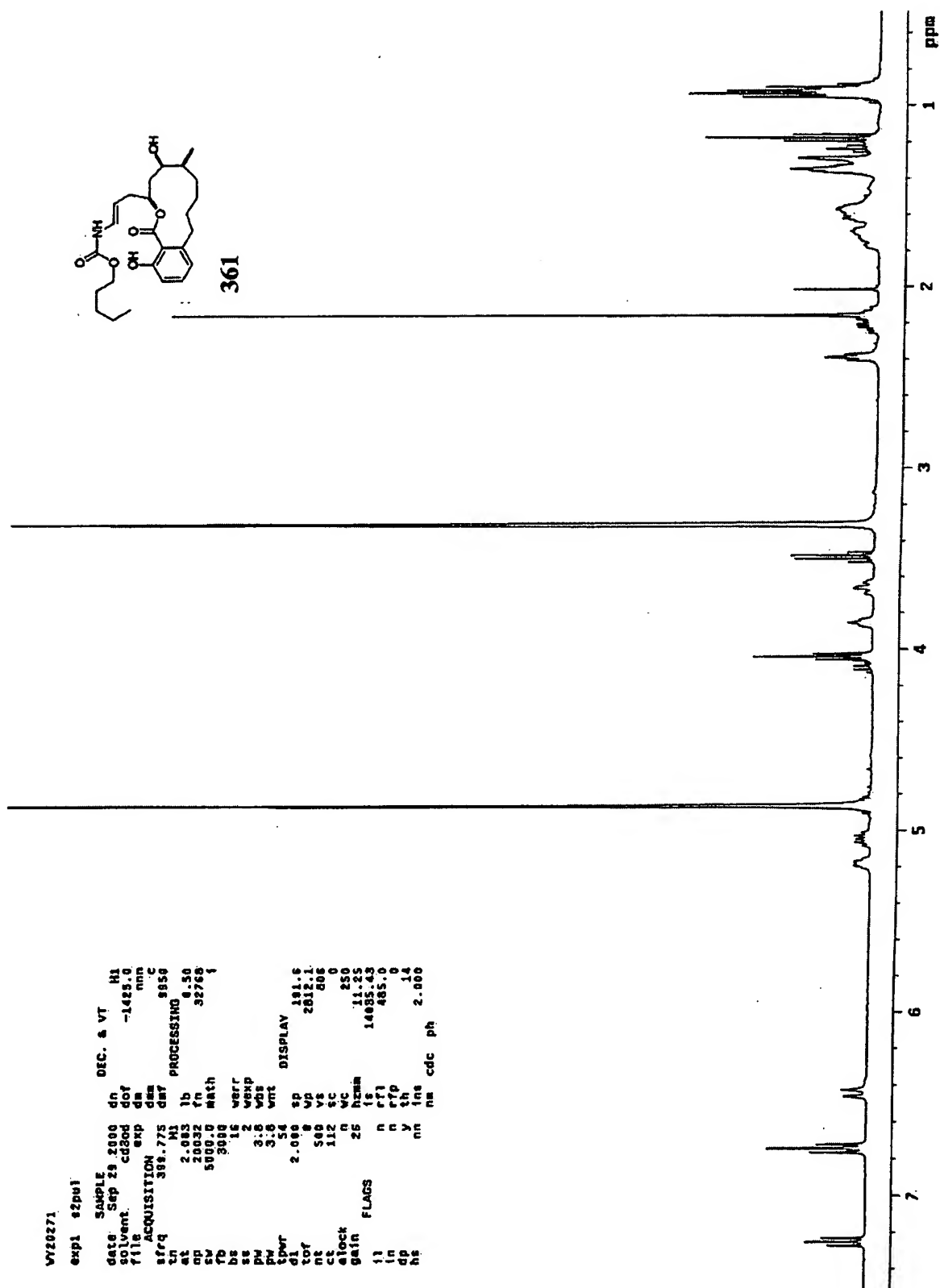


Fig. 39

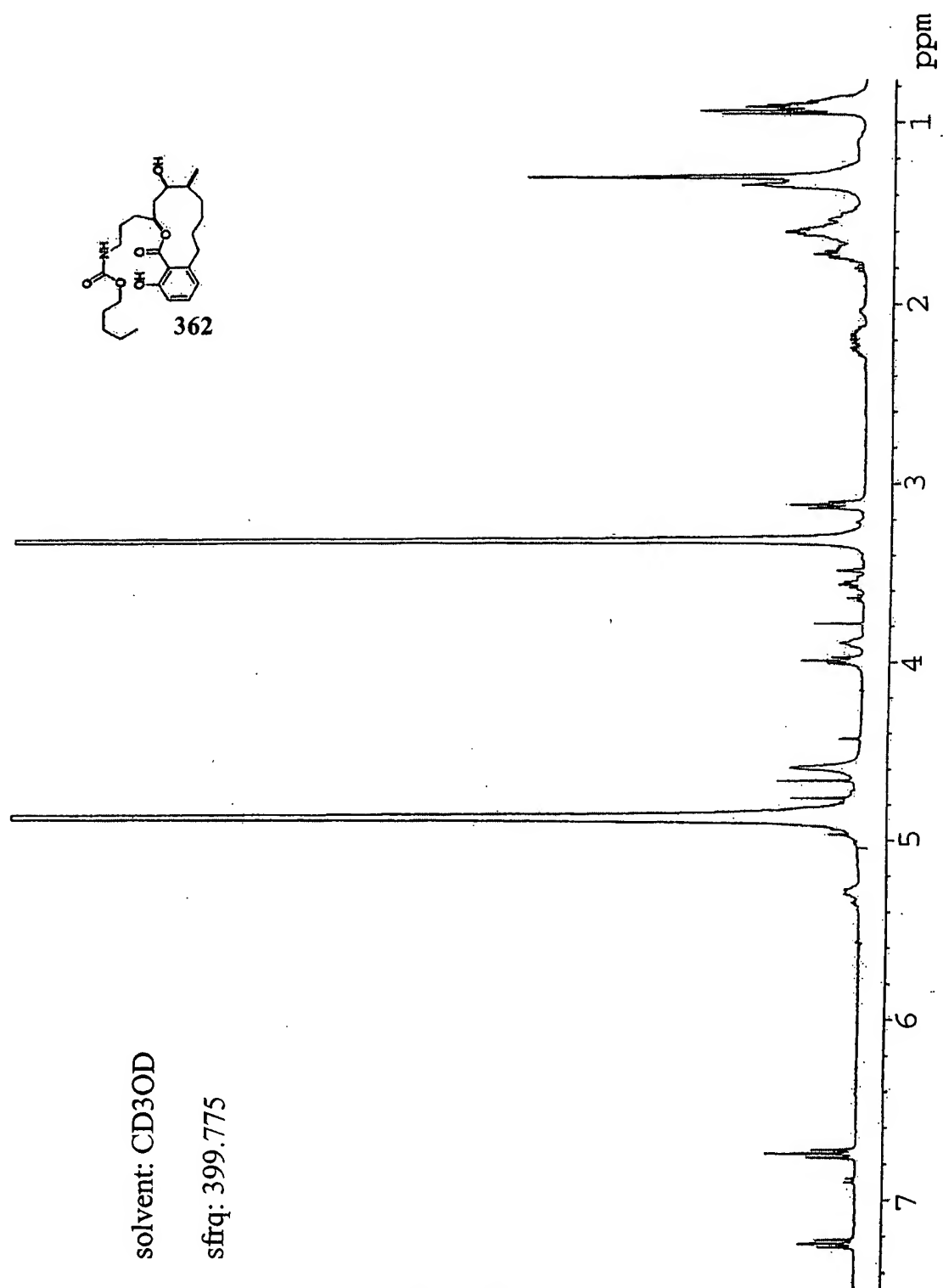


Fig. 40